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(54) POWER SUPPLYING AND PIPING DEVICE USED IN MECHANICAL ROTARY PART

(57)Abstract:

PURPOSE: To provide a power supplying and piping device which is disposed in a mechanical rotary part of an industrial working machine for wiring of power and electrical signals and for piping of fluid, which can minimize the use of wiring cables and piping hoses and which can simultaneously lay the wiring and the piping.

CONSTITUTION: There is provided a power supplying and piping device 10 composed of passages which pierce through to relatively rotary elements, that is, an internal cylindrical core 12 and an external ring 14 from fluid inlets 38a through 38d to fluid outlets 26a through 26d, and power paths having slipping rings 52a through 52b and brushes 56a through 56c, thereby wirings and pipings may be stationarily held, relative to each other even though the mechanical rotary part is operated.

